

AMENDMENTS

In the Claims

Claim 48 is amended.

No new claims are added.

Claims 2-27, 29-48, and 50-58 are pending.

1. **(Cancelled).**

2. **(Previously Amended)** The cellular phone of claim 5 further comprising a context service module that is configured to receive information from multiple different context providers.

3. **(Previously Amended)** The cellular phone of claim 5, wherein the information pertains to a user of the cellular phone.

4. **(Previously Amended)** The cellular phone of claim 5 further comprising one or more hierarchical traversable tree structures on the phone, the tree structures comprising individual nodes each of which being associated with a phone context, the processors being configured to automatically determine a context by traversing at least one node on one of the trees.

5. **(Previously Amended)** A cellular phone comprising:
one or more processors configured to:

1 receive information that pertains to a current context of the
2 cellular phone;

3 determine the current context based on the information;

4 modify at least one behavior of the cellular phone responsive
5 to the current context; and

6 an application program interface that is configured to wirelessly
7 receive information that is associated with the phone's context.

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9 6. **(Previously Amended)** A method of operating a cellular
10 phone comprising:

11 wirelessly receiving, with the cellular phone, information that
12 pertains to a context of the cellular phone, the cellular phone being
13 configured to receive said information from different types of context
14 providers that provide different forms of information;

15 responsive to said receiving and using only the cellular phone and its
16 associated on-board componentry, determining a cellular phone context and
17 modifying at least one behavior associated with the cellular phone.

18
19 7. **(Original)** The method of claim 6, wherein the behavior
20 pertains to whether the phone is on or off.

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22 8. **(Original)** The method of claim 6, wherein the behavior
23 pertains to operation of a cellular phone ringer.

1 9. **(Original)** The method of claim 6, wherein the behavior
2 pertains to whether the cellular phone is in a vibration mode.

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4 10. **(Original)** The method of claim 6, wherein the behavior
5 pertains to a ringer pitch.

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7 11. **(Original)** The method of claim 6, wherein the behavior
8 pertains to forwarding calls.

9
10 12. **(Original)** The method of claim 6, wherein said modifying
11 comprises using one or more cellular phone settings that are resident on the
12 cellular phone to modify the cellular phone's settings.

13
14 13. **(Original)** The method of claim 6, wherein said receiving
15 comprises receiving cellular phone setting information that is to be used to
16 modify the cellular phone's behavior.

17
18 14. **(Original)** A cellular phone programmed to implement the
19 method of claim 6.

20
21 15. **(Previously Amended)** One or more readable media having
22 readable instructions thereon which, when executed by a cellular phone,
23 cause the cellular phone to:

1 wirelessly receive information from different context source
2 information types that provide different forms of information that pertains
3 to a context of the cellular phone; and

4 responsive to receiving the information, determine the cellular phone
5 context and modify at least one behavior associated with the cellular phone.
6

7 16. **(Original)** A cellular phone embodying the computer-
8 readable media of claim 15.
9

10 17. **(Previously Amended)** A cellular phone comprising:
11 multiple different types of location providers which collectively are
12 configured to receive different forms of location information that can be
13 used by the cellular phone to ascertain its location; and
14 one or more processors configured to:

15 receive information associated with a current location of the
16 cellular phone; and

17 modify at least one behavior of the cellular phone responsive
18 to the information.
19

20 18. **(Original)** The cellular phone of claim 17, wherein the
21 information comprises cellular phone settings.
22

23 19. **(Original)** The cellular phone of claim 17, wherein the one or
24 more processors are configured to modify the one behavior by turning the
25 phone on or off.

1
2 20. **(Original)** The cellular phone of claim 17, wherein the one or
3 more processors are configured to modify the one behavior by adjusting a
4 ringer pitch on the phone.
5

6 21. **(Original)** The cellular phone of claim 17, wherein the one or
7 more processors are configured to modify the one behavior by turning a
8 cellular phone ringer on or off.
9

10 22. **(Original)** The cellular phone of claim 17, wherein the one or
11 more processors are configured to modify the one behavior by placing the
12 phone in a vibration mode.
13

14 23. **(Original)** The cellular phone of claim 17, wherein the one or
15 more processors are configured to modify the one behavior by forwarding
16 one or more calls to a user-provided telephone number.
17

18 24. **(Previously Amended)** A cellular phone comprising:
19 receiving means configured to wirelessly receive multiple different
20 forms of information that pertains to a current location of a cellular phone
21 and use said multiple different forms of information to ascertain the current
22 location; and

23 means to modify at least one behavior associated with the cellular
24 phone responsive to said information.
25

1 25. **(Original)** The cellular phone of claim 24, wherein said
2 information pertains to cellular phone settings that are associated with the
3 current location.

4
5 26. **(Original)** The cellular phone of claim 24, wherein said
6 information pertains to a defined location type of which the location is an
7 instance.

8
9 27. **(Original)** The cellular phone of claim 24, wherein said
10 means to modify comprises means to change the cellular phone's behavior
11 when it is no longer at the current location.

12
13 28. **(Cancelled).**

14
15 29. **(Previously Amended)** A method of managing cellular
16 phone behavior comprising:

17 defining one or more cellular phone behaviors for a given location;
18 and

19 wirelessly transmitting information to cellular phones within that
20 location that permits cellular phones to automatically modify their behavior
21 while in that location, wherein said transmitting information comprises
22 transmitting information that is associated with a location type that has
23 attributes that define a cellular phone behavior.

1 30. **(Previously Amended)** The method of claim 29, wherein
2 said transmitting information comprises transmitting information pertaining
3 to cellular phone settings.
4

5 31. **(Previously Amended)** A method of managing cellular
6 phone behavior comprising:

7 providing one or more transmitters that are configured to transmit
8 information that permits cellular phones to automatically modify their
9 behavior, at least a portion of the information pertaining to one or more
10 class types individual ones of which are associated with various attributes
11 that define the behavior of cellular phones;

12 placing the one or more transmitters in a location where a particular
13 cellular phone behavior is desired; and

14 transmitting information using said one or more transmitters.
15

16 32. **(Original)** The method of claim 31, wherein the behavior
17 comprises whether the cellular phone is on or off.
18

19 33. **(Original)** The method of claim 31, wherein the behavior
20 pertains to the cellular phone's ringer.
21

22 34. **(Original)** The method of claim 31, wherein the behavior
23 pertains to the pitch of the cellular phone's ringer.
24
25

1 35. **(Original)** The method of claim 31, wherein the behavior
2 pertains to call forwarding.

3
4 36. **(Original)** A method of managing cellular phone behavior
5 comprising:

6 defining one or more class types each of which can be associated
7 with a location for which a particular cellular phone behavior is desired;
8 and

9 associating attributes with the one or more class types, the attributes
10 defining cellular phone behavior.

11
12 37. **(Original)** The method of claim 36, wherein the behavior
13 pertains to whether the cellular phone is to be on or off.

14
15 38. **(Original)** The method of claim 36, wherein the behavior
16 pertains to whether the cellular phone's ringer is to be on or off.

17
18 39. **(Original)** The method of claim 36, wherein the behavior
19 pertains to the pitch of the cellular phone's ringer.

20
21 40. **(Original)** The method of claim 36, wherein the behavior
22 pertains to automatically forwarding telephone calls.

23
24 41. **(Original)** A method of managing cellular phone behavior
25 comprising:

1 defining one or more class types each of which can be associated
2 with a location for which a particular cellular phone behavior is desired;
3 associating attributes with the one or more class types, the attributes
4 defining cellular phone behavior; and
5 associating a class type with a location for which a particular cellular
6 phone behavior is desired.

7
8 42. **(Original)** A method of managing cellular phone behavior
9 comprising:

10 associating a class type with a location for which a particular cellular
11 phone behavior is desired, the class type having attributes that define the
12 cellular phone's behavior; and

13 wirelessly transmitting information pertaining to the class type for
14 reception by cellular phones in the location, the information being
15 configured to be used by cellular phones to automatically adjust one or
16 more behaviors.

17
18 43. **(Original)** The method of claim 42, wherein said associating
19 comprises providing a transmitter at the location that is configured to
20 transmit the information.

21
22 44. **(Original)** The method of claim 42, wherein the behavior is
23 defined by cellular phone settings.

1 45. **(Original)** The method of claim 42, wherein the behavior
2 pertains to whether the cellular phone is on or off.

3
4 46. **(Original)** The method of claim 42, wherein the behavior
5 pertains to whether the cellular phone's ringer is on or off.

6
7 47. **(Original)** The method of claim 42, wherein the behavior
8 pertains to call forwarding.

9
10 48. **(Currently Amended)** A location-aware cell phone that can,
11 using only ~~location~~ information that it receives and its on-board
12 componentry, determine its location and automatically adjust one or more
13 of its settings so that it behaves in a manner that has been defined for that
14 location by someone other than a user of the cell phone.

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16 49. **(Cancelled).**

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18 50. **(Previously Amended)** A method of operating a cellular
19 phone comprising:

20 providing a cellular phone; and

21 determining, with the cellular phone, a present cellular phone
22 location wherein said determining comprises:

23 receiving location information;

24 accessing one or more hierarchical tree structures having

25 nodes that correspond to locations; and

1 using the location information to traverse at least portions of
2 the one or more tree structures to ascertain the present location.

3
4 51. **(Previously Added)** A cellular phone comprising:
5 one or more computer-readable media;
6 one or more hierarchical traversable tree structures resident on the
7 computer-readable media, the tree structures comprising individual nodes
8 each of which being associated with a phone context; and
9 one or more processors configured to:
10 receive information that pertains to a current context of the
11 cellular phone;
12 automatically determine the current context based on the
13 information by traversing at least one node on one of the trees; and
14 modify at least one behavior of the cellular phone responsive
15 to the current context.

16
17 52. **(Previously Added)** The cellular phone of claim 51 further
18 comprising a context service module that is configured to receive
19 information from multiple different context providers.

20
21 53. **(Previously Added)** The cellular phone of claim 51, wherein
22 the information pertains to a user of the cellular phone.

23
24 54. **(Previously Added)** A cellular phone comprising:
25

1 a context service module that is configured to receive different forms
2 of information from multiple different types of context providers; and
3 one or more processors associated with the context service module
4 and configured to:
5 receive information that pertains to a current context of the
6 cellular phone;
7 determine the current context based on the information; and
8 modify at least one behavior of the cellular phone responsive
9 to the current context.
10

11 55. **(Previously Added)** The cellular phone of claim 54, wherein
12 the information pertains to a user of the cellular phone.
13

14 56. **(Previously Added)** The cellular phone of claim 54 further
15 comprising one or more hierarchical traversable tree structures on the
16 phone, the tree structures comprising individual nodes each of which being
17 associated with a phone context, the processors being configured to
18 automatically determine a context by traversing at least one node on one of
19 the trees.
20

21 57. **(Previously Added)** The cellular phone of claim 54 further
22 comprising an application program interface that is configured to wirelessly
23 receive information that is associated with the phone's context.
24

25 58. **(Previously Added)** A cellular phone comprising:

1 location provider means for receiving different forms of location
2 information;
3 means for ascertaining a location from the location information; and
4 means for modifying at least one behavior associated with the
5 cellular phone responsive to ascertaining said location.
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